

# Curriculum Vitae

21/11/2022

## Candy Olivia Mawalim

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1-1 Asahidai, Nomi, Ishikawa, 923-1292 Japan

### EDUCATION

- Japan Advanced Institute of Science and Technology (JAIST)** *Oct. 2019 – Mar. 2022*  
School of Information Science (Doctoral degree)  
Topic : Content and privacy protection methods for secure speech communication and its applications  
Advisor : Prof. Masashi Unoki
- Japan Advanced Institute of Science and Technology (JAIST)** *Oct. 2017 – Sept. 2019*  
School of Information Science (M.S.)  
Thesis : Study on audio information hiding based on cochlear delay characteristics  
Advisor : Prof. Masashi Unoki
- Institut Teknologi Bandung (ITB) – Indonesia** *Aug. 2013 – Jul. 2017*  
Bachelor of Science (B.Sc.)  
Thesis : Study on Indonesian–Korean statistical machine translation  
Advisor : Dessi Puji Lestari, Ph.D.
- Sekolah Menengah Atas Swasta Methodist 5 Medan** *Graduated May 2013*  
Natural Science Degree

### RESEARCH INTERESTS

Speech Information Hiding, Voice Privacy, Hearing Aids, Social Signal Processing, Machine Learning

### WORK EXPERIENCE

- Assistant Professor, JAIST** *Apr. 2022 – present*  
Social Signal Interaction Group
- Data Scientist (Part-time), Kaze Indonesia** *Apr. 2017 – Jul. 2017*  
PT. Digital Utama Adikarya, Bandung, Indonesia  
Research on social media analytics
- Software Engineering Intern, PT. Akhdani Reka Solusi** *May. 2016 – Jun. 2016*  
Full-stack web development project

### RESEARCH/TEACHING EXPERIENCE

- Research Fellow DC1, Japan Society for the Promotion of Science (JSPS)** *Apr. 2020 – Mar. 2022*  
Project: Audio information hiding based on human auditory characteristics related to phase modulation  
Funding: Special Grants-in-Aid for Scientific Research (20J20580)
- Teaching Assistant, JAIST** *Dec. 2020 – Feb. 2021*  
Course: Human perceptual systems and its models
- Laboratory Assistant at Unoki Lab., JAIST** *Oct. 2017 – Mar. 2020*  
Project: Speech information hiding, speaker anonymization
- Research Internship at Acoustic Information Science Lab., JAIST** *Jan. 2017 – Mar. 2017*

Project: Audio watermarking based on phase modulation using gammatone filterbank

**Research Internship at Data Mining Lab., POSTECH (Korea)** *Jul. 2016*

Project: Recommendation system

**Graphics and Artificial Intelligence Laboratory Assistant, ITB** *Aug. 2014 – Jul. 2017*

- Teaching assistant for ‘Computer Graphics’, ‘Artificial Intelligence’, ‘Geometry Algebra’, ‘Logic of Informatics’ courses
- Participating in laboratory projects

**PT Inti Automatic Speech Recognition (ASR) Project Member, ITB** *Dec. 2015 – Jul. 2016*

Project : (Lexicon Division) Grapheme to phoneme conversion, text normalization in Bahasa, news vocabulary aggregator

## ACTIVITIES AND MEMBERSHIPS

**ISCA Security and Privacy in Speech Communication (SPSC) Committee** *Oct. 2022 – present*

**The Asia-Pacific Signal and Information Processing Association (APSIPA)** *Oct. 2020 – present*

- Regular member (2020 – present)

**JAIST Student Council** *Sep. 2018 – Mar. 2022*

- Member (2017 – 2018)
- President (2018 – 2019)
- Vice president (2019 – 2022)

**The Acoustical Society of Japan (ASJ) – Regular member** *Mar. 2018 – present*  
**Informatics Student Association, ITB** *2014 – 2017*

- Technical Division Staff (2016 – 2017)
- Secretary Staff (2015 – 2016)
- Technical Division Staff (2014 – 2015)

**Indonesia Olympiad Team in Informatics – ITB Branch** *2013 – 2017*

The members of organization consist of Informatics Olympiad Alumni. We provide committee works for National Preparation for IOI (International Olympiad in Informatics).

- Secretary – Treasury Division Staff, Informatics National Camp (2013 – 2015)
- Informatics Olympiad Alumni Camp Coordinator (2014)

**North Sumatera Representative in National Science Olympiad**

Mathematics (2013), Physics (2010)

## AWARDS AND FELLOWSHIPS

**Research Fellowship for Young Scientists DC1 (JSPS)** *Apr. 2020 – Mar. 2022*

**Student Outstanding Performance Award** *Sep. 2019*

Master program in JAIST

**Best Paper Award** *Jul. 2019*

11<sup>th</sup> International Conference on Social Computing and Social Media

**Student Paper Award** *Mar. 2019*

2019 RISP International Workshop on Nonlinear Circuits, Communications and Signal Processing

**Mitani Scholarship** *Apr. 2018 – Sep. 2019*

**Monbukagakusho Honors Scholarship** *Oct. 2017 – Mar. 2018*

**ASEAN – Maybank Scholarship** *Aug. 2013 – Jul. 2017*

## LANGUAGE ABILITIES

**Bahasa Indonesia (native), Medanese Hokkien (native), English (fluent), Japanese (JLPT N1), Chinese (HSK 4 級考試), Korean (beginner)**